

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled ARRAY SEARCHING OPERATIONS, the specification of which:

- ☒ is attached hereto.
☐ was filed on _ as Application Serial No. _ and was amended on _____.
☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

U.S. Serial No.		Filing Date		Status

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Serial No.		Filing Date		Status

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Country		Application No.		Filing Date		Priority Claimed
						<input type="checkbox"/> Yes <input type="checkbox"/> No
						<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

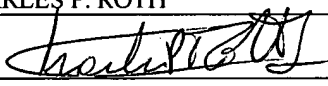
Richard J. Anderson	Reg. No. 36,732	William D. Hare	Reg. No. 44,739
Ruffin B. Cordell	Reg. No. 33,487	Scott C. Harris	Reg. No. 32,030
John A. Dragseth	Reg. No. 42,497	Steven J. Shumaker	Reg. No. 36,275
Mark S. Ellinger, Ph.D.	Reg. No. 34,812	Kent J. Sieffert	Reg. No. 41,312
J. Patrick Finn III, Ph.D.	Reg. No. 44,109	Dorothy P. Whelan	Reg. No. 33,814
Kelly P. Fitzgerald	Reg. No. 46,326	Wayne E. Willenberg	Reg. No. 28,488
Sanders Gwin	Reg. No. 33,242		

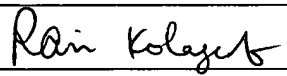
Address all telephone calls to SCOTT C. HARRIS at telephone number (858) 678-5070.

Address all correspondence to SCOTT C. HARRIS at:

FISH & RICHARDSON P.C.
PTO Customer No. 20985
4350 La Jolla Village Drive, Suite 500
San Diego, CA 92122

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor:	CHARLES P. ROTH		
Inventor's Signature:		Date:	9/25/2000
Residence Address:	13305 Tichester Court, Austin, Texas 78729		
Citizenship:	United States		
Post Office Address:	13305 Tichester Court, Austin, Texas 78729		

Full Name of Inventor:	RAVI KOLAGOTLA		
Inventor's Signature:		Date:	9/25/00
Residence Address:	11500 Jollyville Road, #1823, Austin, Texas 78759		
Citizenship:	India		
Post Office Address:	11500 Jollyville Road, #1823, Austin, Texas 78759		

Full Name of Inventor:	JOSE FRIDMAN		
Inventor's Signature:		Date:	
Residence Address:	70 Centre Street, Apt. 5E, Brookline, MA 02446		
Citizenship:	Mexico		
Post Office Address:	70 Centre Street, Apt. 5E, Brookline, MA 02446		

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled ARRAY SEARCHING OPERATIONS, the specification of which:

- ☒ is attached hereto.
☐ was filed on _ as Application Serial No. _ and was amended on _____.
☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

U.S. Serial No.		Filing Date		Status

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Serial No.		Filing Date		Status

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Country		Application No.		Filing Date		Priority Claimed
						<input type="checkbox"/> Yes <input type="checkbox"/> No
						<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Richard J. Anderson	Reg. No. 36,732	William D. Hare	Reg. No. 44,739
Ruffin B. Cordell	Reg. No. 33,487	Scott C. Harris	Reg. No. 32,030
John A. Dragseth	Reg. No. 42,497	Steven J. Shumaker	Reg. No. 36,275
Mark S. Ellinger, Ph.D.	Reg. No. 34,812	Kent J. Sieffert	Reg. No. 41,312
J. Patrick Finn III, Ph.D.	Reg. No. 44,109	Dorothy P. Whelan	Reg. No. 33,814
Kelly P. Fitzgerald	Reg. No. 46,326	Wayne E. Willenberg	Reg. No. 28,488
Sanders Gwin	Reg. No. 33,242		

Address all telephone calls to SCOTT C. HARRIS at telephone number (858) 678-5070.

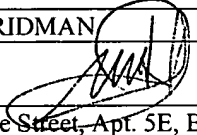
Address all correspondence to SCOTT C. HARRIS at:

FISH & RICHARDSON P.C.
PTO Customer No. 20985
4350 La Jolla Village Drive, Suite 500
San Diego, CA 92122

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor:	CHARLES P. ROTH		
Inventor's Signature:		Date:	
Residence Address:	13305 Tichester Court, Austin, Texas 78729		
Citizenship:	United States		
Post Office Address:	13305 Tichester Court, Austin, Texas 78729		

Full Name of Inventor:	RAVI KOLAGOTLA		
Inventor's Signature:		Date:	
Residence Address:	11500 Jollyville Road, #1823, Austin, Texas 78759		
Citizenship:	India		
Post Office Address:	11500 Jollyville Road, #1823, Austin, Texas 78759		

Full Name of Inventor:	JOSE FRIDMAN		
Inventor's Signature:		Date:	9/26/2000
Residence Address:	70 Centre Street, Apt. 5E, Brookline, MA 02446		
Citizenship:	Mexico		
Post Office Address:	70 Centre Street, Apt. 5E, Brookline, MA 02446		